



PROCURE-TO-PAY

TRAINING SYMPOSIUM 2018

Orlando

What is Data Lake and PIII?

Presented by:

Matt Jacobs; Contractor Support

Agenda

- Quick Recap of Main Session
- What is Data Lake?
 - April 2018 – Q1FY19
 - Q1FY19 and Beyond
- What is PIEE?
 - July 2018
 - Q1 FY 2019
 - Q3 FY 2019

PIEE Overview

Account Management and Access

Applications/ Capabilities

Requirements

Award

Post-Award
Admin

Payment

Property Mgt

Purchase
Card

Security

Operations
Support

Reporting and Document Retrieval

What is Data Lake?

April 2018 – Q1FY19

- Data Lake is an advanced reporting capability that merges data from multiple data sources.
- Currently the Data Lake combines data from WAWF (iRAPT), EDA, and myInvoice.

| Report Name |
|--|
| ACRN Obligation for Order Number |
| Bulk EDA iRAPT Download |
| Conformed Contract Summary |
| Contract Invoice History |
| Contract Execution History |
| DCAA Report |
| iRAPT Acceptance and Payment Date Deltas |
| Procurement Instruments Awarded and Closed |
| Ordering Instrument PIID Status |
| iRAPT Messages |
| Enterprise Contract File |
| Record of Deleted Contract Files (Future) |

Bulk EDA iRAPT Download

Bulk EDA iRAPT Download Search

Search By Contract Number
 CAGE Code
 Contract Number and DoDAAC

* Source System EDA
 iRAPT

Include iRAPT Attachments

Include iRAPT Receiving Reports

Include iRAPT Voided Documents

iRAPT Invoice Received Date Start

iRAPT Invoice Received Date End

EDA Contract Signature Date Start

EDA Contract Signature Date End

Bulk EDA iRAPT Download Results

Evidential Matter Bulk Download

Results 3971

Download All

Selected

Scroll to Top

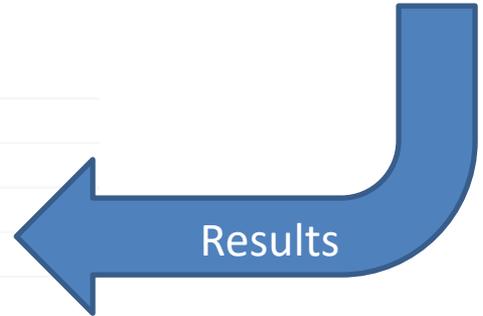
| <input type="checkbox"/> | 1 ▲ Contract # | 2 ▲ Orde... | CAGE | Type | Invoic... | Ship... | Doc.... | Doc.... | Invoice Recei... | PCO | ACO | KO Signature... |
|--------------------------|----------------|-------------|------------|------|-----------|---------|---------|---------------|------------------|-----|------|-----------------|
| <input type="checkbox"/> | [REDACTED] | [REDACTED] | [REDACTED] | EDA | | | | Status Unk... | | | | 2010-05-06 |
| <input type="checkbox"/> | [REDACTED] | [REDACTED] | [REDACTED] | EDA | | | | Status Unk... | | | A087 | 2010-08-02 |
| <input type="checkbox"/> | [REDACTED] | [REDACTED] | [REDACTED] | EDA | | | | Status Unk... | | | A112 | 2011-02-22 |
| <input type="checkbox"/> | [REDACTED] | [REDACTED] | [REDACTED] | EDA | | | | Status Unk... | | | A127 | 2011-03-27 |
| <input type="checkbox"/> | [REDACTED] | [REDACTED] | [REDACTED] | EDA | | | | Status Unk... | | | A192 | 2011-08-15 |
| <input type="checkbox"/> | [REDACTED] | [REDACTED] | [REDACTED] | EDA | | | | Status Unk... | | | A160 | 2011-05-08 |
| <input type="checkbox"/> | [REDACTED] | [REDACTED] | [REDACTED] | EDA | | | | Status Unk... | | | FX73 | 2009-06-04 |
| <input type="checkbox"/> | [REDACTED] | [REDACTED] | [REDACTED] | EDA | | | | Status Unk... | | | FX51 | 2007-12-17 |
| <input type="checkbox"/> | [REDACTED] | [REDACTED] | [REDACTED] | EDA | | | | Status Unk... | | | FX75 | 2009-06-16 |

Bulk EDA iRAPT Download Retrieval

| Package Name | Total # of Files | Zip Size | Initiated | Finished | Status | Download |
|--|------------------|----------|-------------------|-------------------|----------|---|
| 3971files-26-Mar-2018_15_05_23_UTC.zip | 3971 | 117 MB | Today at 11:05... | Today at 11:11... | Finished |  |

3971files-26-Mar-2018_15_05_23_UTC.zip

| | |
|---|---|
|  [REDACTED] CONTRACT Type: File | Date modified: 3/26/2018 3:11 PM Size: 77.0 KB → 48.5 KB |
|  [REDACTED] MOD-A087 Type: File | Date modified: 3/26/2018 3:11 PM Size: 360 KB → 264 KB |
|  [REDACTED] MOD-A112 Type: File | Date modified: 3/26/2018 3:11 PM Size: 18.1 KB → 12.2 KB |
|  [REDACTED] MOD-A127 Type: File | Date modified: 3/26/2018 3:11 PM Size: 532 KB → 390 KB |
|  [REDACTED] MOD-A192 Type: File | Date modified: 3/26/2018 3:11 PM Size: 433 KB → 337 KB |
|  [REDACTED]-144012-INV Type: File | Date modified: 3/26/2018 3:11 PM Size: 17.9 KB → 10.4 KB |
|  [REDACTED]-144101-INV Type: File | Date modified: 3/26/2018 3:11 PM Size: 18.4 KB → 11.0 KB |
|  [REDACTED]-144102-INV Type: File | Date modified: 3/26/2018 3:11 PM Size: 17.9 KB → 10.5 KB |
|  [REDACTED]-144103AA-INV Type: File | Date modified: 3/26/2018 3:11 PM Size: 17.9 KB → 10.5 KB |
|  [REDACTED]-144104-INV Type: File | Date modified: 3/26/2018 3:11 PM Size: 17.9 KB → 10.5 KB |



Contract Execution History

Contract Execution History: Summary Data

Contract Number [REDACTED] 0003

Order Number 0023

Search

Report Results ▾

Contract # [REDACTED] 0003

Order #0023

| | |
|------------------------|--------------|
| Total Obligated Amount | \$637,390.00 |
|------------------------|--------------|

| | |
|-----------------------|--------------|
| Total Invoiced Amount | \$221,871.09 |
|-----------------------|--------------|

| | |
|-------------------------|--------------|
| Unliquidated Obligation | \$415,518.91 |
|-------------------------|--------------|

| | |
|-------------------|------------|
| KO Signature Date | 2016-10-27 |
|-------------------|------------|

| | |
|---------------------|------------|
| Issue Office DoDAAC | [REDACTED] |
|---------------------|------------|

| | |
|---------------------|------------|
| Admin Office DoDAAC | [REDACTED] |
|---------------------|------------|

| | |
|-------------------|------------|
| Pay Office DoDAAC | [REDACTED] |
|-------------------|------------|

| | |
|-------------|------------|
| Vendor CAGE | [REDACTED] |
|-------------|------------|

| | |
|-------------|------------|
| Vendor Name | [REDACTED] |
|-------------|------------|

| | |
|--------------------------|--|
| Ultimate Completion Date | |
|--------------------------|--|

| | |
|-------------|--|
| Closed Date | |
|-------------|--|

| | |
|------------------------|--|
| Archive Retention Date | |
|------------------------|--|

| | |
|-----------------------|--|
| Record Destroyed Date | |
|-----------------------|--|

Contract Execution History: CLIN Data

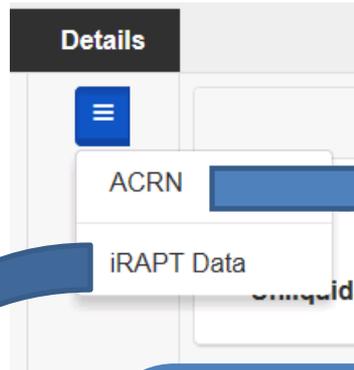
EDA Contract

[Contract Details](#)

[Scroll to Top](#) ^

| CLIN | CLIN Obligated Amount | CLIN Type | POP Start | POP End | CLIN Delivery | Details |
|--------|-----------------------|---------------------|------------|------------|---------------|---|
| 0001 | | Cost Plus Fixed Fee | 2016-11-01 | 2018-01-31 | | <div data-bbox="1420 442 1901 660"> <p>Summary</p> <p>Total Obligated Amount \$637,390.00</p> <p>Invoice Total \$221,871.09</p> <p>Unliquidated Obligation \$415,518.91</p> </div> |
| 000101 | \$318,715.16 | Cost Plus Fixed Fee | | | | <div data-bbox="1555 715 1777 764"> <p>See CLIN Base 0001</p> </div> |
| 000102 | \$318,674.84 | Cost Plus Fixed Fee | | | | <div data-bbox="1555 791 1777 840"> <p>See CLIN Base 0001</p> </div> |

Contract Execution History: CLIN Details



ACRN Data

| ACRN | ACRN Obligated Amount | Purchase Requisition # | AAI |
|------|-----------------------|------------------------|-----|
| AA | \$318,715.16 | | |

iRAPT CLIN 0001

| Invoice Number | CLIN Total | Invoice Total | Invoice Date | Payment Date | Final Invoice Indicator | Shipment Number | Shipment Quantity Accepted | Final Shipment Indicator |
|----------------|--------------|---------------|--------------|--------------|-------------------------|-----------------|----------------------------|--------------------------|
| BVN0007 | \$10,932.98 | \$10,932.98 | 2017-09-27 | | N | | | |
| BVN0001 | \$15,994.69 | \$15,994.69 | 2017-02-01 | | N | | | |
| BVN0002 | \$29,735.64 | \$29,735.64 | 2017-04-11 | | N | | | |
| BVN0005 | \$115,446.31 | \$115,446.31 | 2017-07-20 | | N | | | |
| BVN0003 | \$25,793.32 | \$25,793.32 | 2017-05-23 | | N | | | |
| BVN0004 | \$23,968.15 | \$23,968.15 | 2017-06-07 | | N | | | |

Procurement Instruments Awarded and Closed

Procurement Instruments Awarded and Closed

Do you want to run a summary or detail report? Summary Detail

Group data by Contract Issue Office Agency
 Contract Admin Office Agency
 Contract Pay Office DoDAAC

*FY of PIID Issue

Contract Issue Office Agency

Contract Issue Office MAJCOM

Contract Admin Office Agency

Contract Pay Office DoDAAC

Procurement Instruments Awarded and Closed: Summary Results

| Total Procurement Instruments | Total Open | Total Closed | % Closed | Total Past Archive Retention Date | % Past Archive Retention Date |
|-------------------------------|------------|--------------|----------|-----------------------------------|-------------------------------|
| 69848 | 62101 | 7747 | 11.09% | 7 | 0.01% |

| Contract Issue Office Agency | Contract Issue Office DoDAAC | Contract Issue Office MAJCOM | Total Procurement Instruments | Total Open | Total Closed | % Closed | Total Past Archive Retention Date | % Past Archive Retention Date | Detail Report |
|------------------------------|------------------------------|------------------------------|-------------------------------|------------|--------------|----------|-----------------------------------|-------------------------------|------------------------|
| DEPT OF THE ARMY | W15P7T | AMC | 236 | 140 | 96 | 40.68% | 0 | 0.00% | Submit |
| DEPT OF THE ARMY | W15QKN | AMC | 1269 | 1152 | 117 | 9.22% | 0 | 0.00% | Submit |
| DEPT OF THE ARMY | W22G1F | AMC | 254 | 156 | 98 | 38.58% | 0 | 0.00% | Submit |
| DEPT OF THE ARMY | W25G1V | AMC | 1985 | 1221 | 764 | 38.49% | 0 | 0.00% | Submit |
| DEPT OF THE ARMY | W31P4Q | AMC | 318 | 306 | 12 | 3.77% | 0 | 0.00% | Submit |
| DEPT OF THE ARMY | W44W9M | AMC | 765 | 632 | 133 | 17.39% | 0 | 0.00% | Submit |

Submit drills down into specific DoDAAC



Procurement Instruments Awarded and Closed: Detailed Results

Summary Recalculates



| Total Procurement Instruments | Total Open | Total Closed | % Closed | Total Past Archive Retention Date | % Past Archive Retention Date |
|-------------------------------|------------|--------------|----------|-----------------------------------|-------------------------------|
| 236 | 140 | 96 | 40.68% | 0 | 0.00% |

| Contract Number | Order Number | Contract Issue Office DoDAAC | Contract Admin Office DoDAAC | Contract Pay Office DoDAAC | Contract Total Obligated Amount | Vendor Total Invoice Amount | Closeout Date | Archive Retention Date | Record Destroyed Date |
|-----------------|--------------|------------------------------|------------------------------|----------------------------|---------------------------------|-----------------------------|---------------|------------------------|-----------------------|
| W15P7T09DK204 | 0008 | W15P7T | S2103A | HQ0338 | \$10,751.94 | | | | |
| W15P7T09DK204 | 0009 | W15P7T | S2103A | HQ0338 | \$35,657.52 | | 05/08/2017 | 05/08/2023 | |
| W15P7T09DK204 | 0010 | W15P7T | S2103A | HQ0338 | \$103,238.36 | | | | |
| W15P7T09DK204 | 0011 | W15P7T | S2103A | HQ0339 | \$67,650.81 | | 05/31/2017 | 05/31/2023 | |
| W15P7T09DK204 | 0012 | W15P7T | S2103A | HQ0338 | \$48,739.62 | | | | |
| W15P7T09DK204 | 0013 | W15P7T | S2103A | HQ0338 | \$3,116,985.30 | | | | |
| W15P7T09DK204 | 0014 | W15P7T | S2103A | HQ0338 | \$4,427,393.65 | | | | |
| W15P7T09DK204 | 0015 | W15P7T | S2103A | HQ0338 | \$708,587.64 | | | | |



Status of Each PIID

Ordering Instrument PIID Status

Ordering Instrument PIID Status

***Ordering Instrument PIID**

What data do you want to return?

All Contracts

Closed Contracts Only

Open Contracts Only

Ordering Issue Office DoDAAC

Ordering Admin Office DoDAAC

Ordering Pay Office DoDAAC

FY of Order ▼

Ordering Instrument PIID Status: Results

Contract Issue Office DoDAAC [REDACTED]

Contract Closed Date 08/31/2015

Contract Admin Office DoDAAC [REDACTED]

Contract Archive Retention Date

Contract Pay Office DoDAAC [REDACTED]

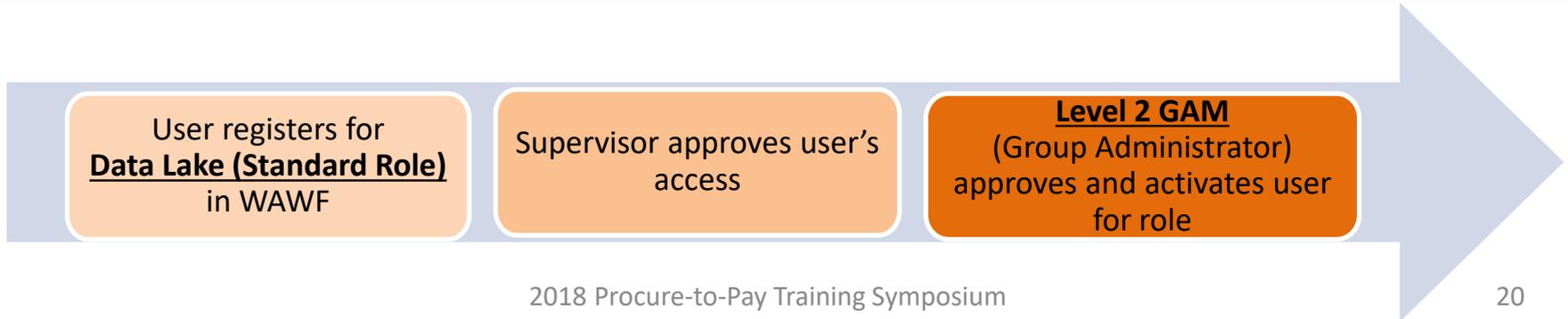
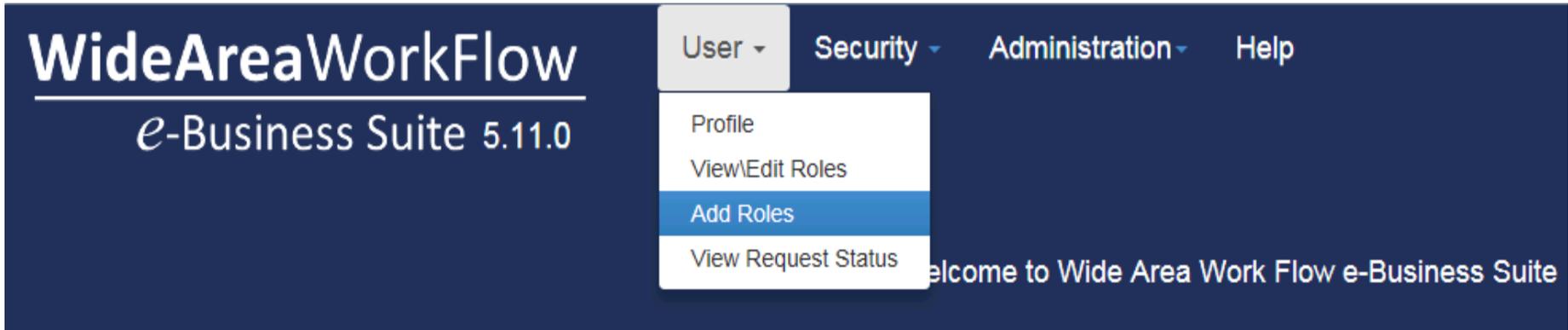
Contract Record Destroyed Date

| Total Procurement Instruments | Total Open | Total Closed | % Closed | Total Past Archive Retention Date | % Past Archive Retention Date |
|-------------------------------|------------|--------------|----------|-----------------------------------|-------------------------------|
| 17 | 1 | 16 | 94.12% | 0 | 0.00% |

| PIID # | Order # | Order Issue Office DoDAAC | Order Admin Office DoDAAC | Order Pay Office DoDAAC | FY of Order Issued | Obligated Amount | Total Invoice Amount | Closeout Date | Archive Retention Date | Record Destroyed Date |
|------------|---------|---------------------------|---------------------------|-------------------------|--------------------|------------------|----------------------|---------------|------------------------|-----------------------|
| [REDACTED] | 00152 | 0001 | [REDACTED] | [REDACTED] | [REDACTED] | \$33,236.02 | | 12/31/2013 | 12/31/2019 | |
| [REDACTED] | 00152 | 0002 | [REDACTED] | [REDACTED] | [REDACTED] | \$5,596.32 | | 12/31/2013 | 12/31/2019 | |
| [REDACTED] | 00152 | 0003 | [REDACTED] | [REDACTED] | [REDACTED] | \$1,865.44 | | 06/30/2015 | 06/30/2021 | |
| [REDACTED] | 00152 | 0004 | [REDACTED] | [REDACTED] | [REDACTED] | \$7,461.76 | | 06/30/2015 | 06/30/2021 | |
| [REDACTED] | 00152 | 0005 | [REDACTED] | [REDACTED] | [REDACTED] | \$3,730.88 | | 06/30/2015 | 06/30/2021 | |
| [REDACTED] | 00152 | 0006 | [REDACTED] | [REDACTED] | [REDACTED] | \$6,995.40 | | 06/30/2015 | 06/30/2021 | |
| [REDACTED] | 00152 | 0007 | [REDACTED] | [REDACTED] | [REDACTED] | \$9,327.20 | | 06/30/2015 | 06/30/2021 | |

How to Access Data Lake?

- Data Lake is available for access behind the WAWF login page
 - New users should create an account for WAWF
 - Existing users should add a new role to request Data Lake Access



What is Data Lake?

Q1 FY19 (WAWF 6.0) and Beyond

- Data Lake as a standalone capability goes away with the WAWF 6.0 Release in Q1FY19.
- All Data Lake reporting will merge with a Tech-Refreshed version of EDA to create a single application to view and retrieve documents and pull reports.



What is the Procurement Integrated Enterprise Environment?

An Procurement Portfolio Capability that:

- Leverages cloud technology
- Uses single sign capability to access system applications hosted internal and external to the environment
- Standardizes access management using standard role based access to applications
- Standardizes procurement hierarchy for purchase card and procurement
- Enables rapid development and deployment of applications
- Enables a growing set of APIs to other systems dependent on procurement data
- Provides common services (testing, COOP, archive retention, security) to applications hosted in the environment
- Enables a data environment that leverages data from multiple applications

Applications/ Capabilities Details

| Requirements* | Award* | Post-Award Administration* | Payment* | Property Management* | Purchase Card | Security |
|---|---|---|---|---|--|--|
| <ul style="list-style-type: none"> eMIPR | <ul style="list-style-type: none"> CON-IT (AF Only) Clause Logic Service (CLS) Solicitation Portal SPRS PALT Tracker | <ul style="list-style-type: none"> Surveillance & Performance Monitoring (SPM) Contract Comm. Module (CCM) Contract Deficiency Reporting (CDR) Contract Closeout EDA | <ul style="list-style-type: none"> WAWF (currently iRAPT) myInvoice CEDMS Miscellaneous Pay | <ul style="list-style-type: none"> GFP Module IUID Registry | <ul style="list-style-type: none"> DoD EAS DoD Data Mining Navy EAS Navy Data Mining GPC Oversight Module | <ul style="list-style-type: none"> NCCS |

* : Supports Contracts, Grants, Other Transactions

PIEE: Operations Support

System for Award Management

- Single Sign On Pass Through Only

DoDAAC Management

- Management of Specific DoDAAC Flags
 - Procurement
 - Grants
 - Contract Administration
 - Payment
- Workflow and Approval of Contractor DoDAACs

Procurement Process Model Library

- Business Process Modeling Notation Posting Tool
- Workflow/ Approval of Models
- Access to View and Share Models

Joint Appointment Module

- Formal Appointment of Specific Roles
 - Card Holder
 - Component Program Manager (PM)
 - Oversight Agency/Organization Program Coordinator (A/OPC)
 - A/OPC
 - Approving/Billing Official (A/BO)
 - Certifying Officer (CO)
 - Approving Official (AO)
- WAWF
 - Local Processing Officer/Reviewer (LPO/ LPOR)
 - Grant Approver
 - Cost Voucher Approver (Non-DCAA)
- SPM
 - Contracting Officer Representative (COR)

Q4 FY 2018: Rebranding



eBusiness Suite Name



eInvoicing Capability

Sample of
Functional
Groupings

A dark blue rectangular box with rounded corners and a white border. It is divided into two sections. The left section is titled "Purchase Card" and contains three white rounded square icons. The first icon has a blue swoosh and the text "BANK 'X'", with "Bank 'X'" written below it. The second icon has a blue swoosh and the text "DATA MINING", with "Data Mining" written below it. The third icon has a blue swoosh and the text "GPC Reporting", with "GPC Reporting" written below it. The right section is titled "Operations Support" and contains one white rounded square icon with a blue swoosh and the text "JAM", with "Joint Appointment Module" written below it.

| Purchase Card | | | Operations Support |
|---------------|-------------|---------------|--------------------------|
| BANK "X" | DATA MINING | GPC Reporting | JAM |
| Bank "X" | Data Mining | GPC Reporting | Joint Appointment Module |

Q1 FY 2019: Refreshed and New Capabilities

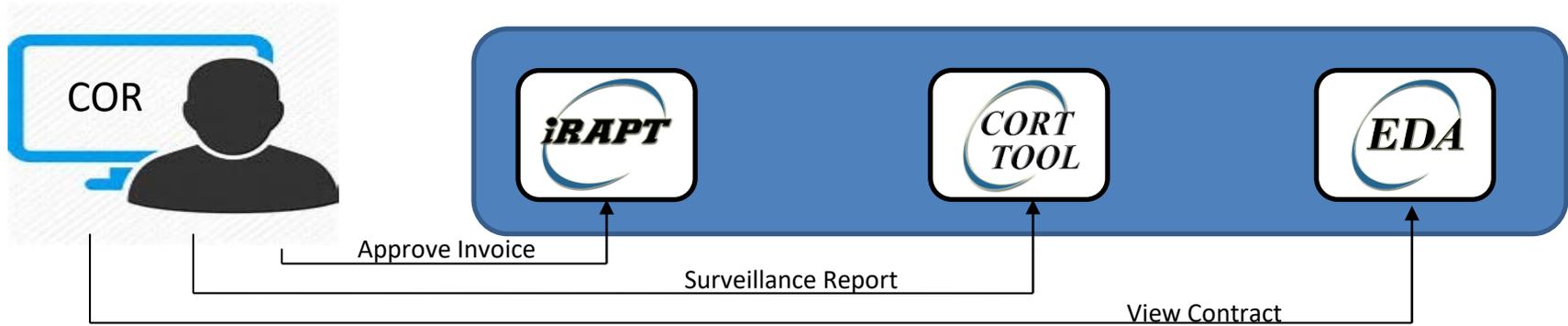
- Stand up of tech refreshed EDA leveraging Data Lake technology.*
- Stand down of Data Lake as stand alone capability.
 - Absorbed into EDA with no loss of reporting capabilities
- Transition from Contractor Officer Tracking (CORT) Tool to break out of appointment in JAM and surveillance in Surveillance and Performance Monitoring (SPM)*
- Stand up of DoDAAC Management capability*

* More details available in EDA, CORT, and DoDAAC Break Out Sessions.

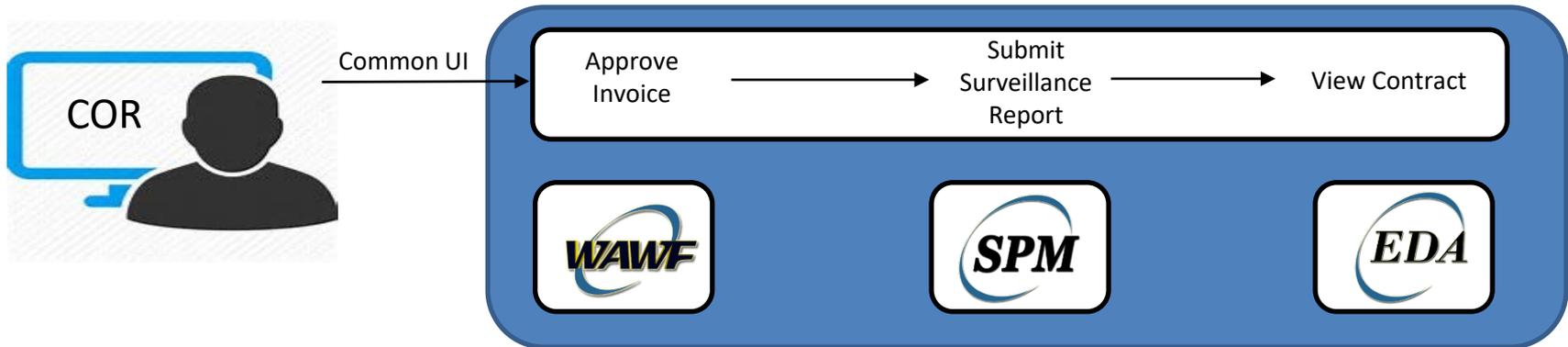
Calendar Year 2019: Front End Refresh

- Target the complete end to end user experience throughout PIEE modules
- Reduce the number of stovepiped capabilities
- Provide greater flexibility to do work across modules
- Might be accomplished in phased approach

Current Day in the Life of a COR



To-Be Day in the Life of a COR



Questions?

If you have additional questions on Data Lake or PIEE, please contact:

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Jenna Tomalka, Jennifer.Tomalka@dla.mil



Procure-to-Pay



Training Symposium

April 3 - April 5, 2018 • Hilton Orlando - Orlando, FL

Back Up

PIEE System Acronym List

| Acronym | System Name |
|------------|--|
| CCM | Contractor Communication Module |
| CDR | Contract Deficiency Reporting |
| CEDMS | Corporate Electronic Document Management System |
| CLS | Clause Logic Service |
| CON-IT | Contracting Information Technology |
| DoD DM | Department of Defense Data Mining |
| DoD EAS | Department of Defense Electronic Access System |
| EDA | Electronic Data Access |
| eMIPR | Electronic Military Interdepartmental Purchase Request |
| GFP Module | Government Furnished Property Module |
| iRAPT | Invoice, Receipt, Acceptance, Property Transfer |

| Acronym | System Name |
|---------------------|--|
| IUID Registry | Item Unique Identification Registry |
| Navy DM | Navy Data Mining |
| Navy EAS | Navy Electronic Access System |
| NCCS | National Industrial Security Program (NISP) Contract Classification System |
| PALT Tracker | Procurement Administrative Lead Time Tracker |
| PBIS | Procurement Business Intelligence Service |
| PIEE | Procurement Integrated Enterprise Environment |
| Solicitation Portal | Solicitation Portal |
| SPM | Surveillance and Performance Monitoring |
| SPRS | Supplier Performance Risk System |
| WAWF | Wide Area Workflow |